INSTALL/REMOVAL INSTRUCTIONS: WINDOW LIFT MOTOR

ATTENTION: Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

REMOVAL/INSTALL OF WINDOW REGULATOR (742-269)
Ford Mustang 1996–2004

General Tech Tips:

- Use painter's tape rather than duct tape to secure window. It will not damage paint or leave sticky residue.
- A plastic pry tool is useful. It will not easily damage delicate trim like a screwdriver or metal pry bar.
- The replacement regulator should have a liberal amount of grease on slide area. If there is not much grease present, white lithium grease works well to lubricate the slide area.
- Aftermarket window tinting can cause the window to travel slower and put additional strain on the window regulator assembly.
- Window run channels should be cleaned and lubricated before installation of a new window regulator assembly. Silicone spray works well.

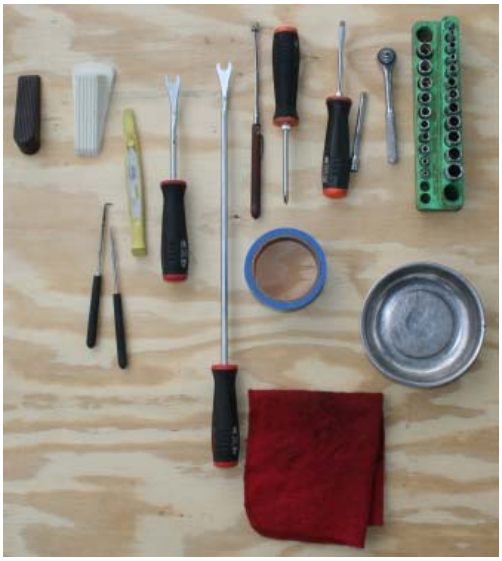
Tools required for removal and installation of window regulator and motor assembly:

- **Silicone spray lubricant**
- **Trim panel removal tool**
- **Pick**
- **Saddle cup assembly, tape, or wedge to hold window in place**
- **Flat-blade screwdriver or plastic pry tool**
- **10mm socket or driver**
- **Phillips screwdriver**
- **Grease pencil or marker**
- **3/8" drill bit, 1/8" drill bit, and 1/2" drill bit**
- **3/8 drill**
- **Rivet gun (Dorman pn# 743-100)**

Optional tools:

- **Two 1/4" X 20 X 1" bolts, two 1/4" X 20 lock nuts, and four 1/4" flat washers (Dorman hardware kit pn# 702-013)**
- **7/16" wrench**
- **3/8" ratchet with a 6" extension and 7/16" socket**

PLEASE WEAR SAFETY GLASSES!



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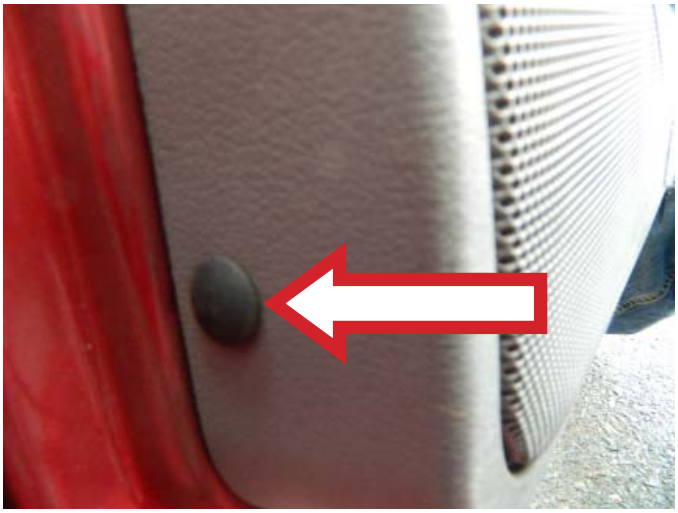
Removal Instructions

STEP 1: Using a trim panel removal tool, remove the plastic interior door trim panel retainer.



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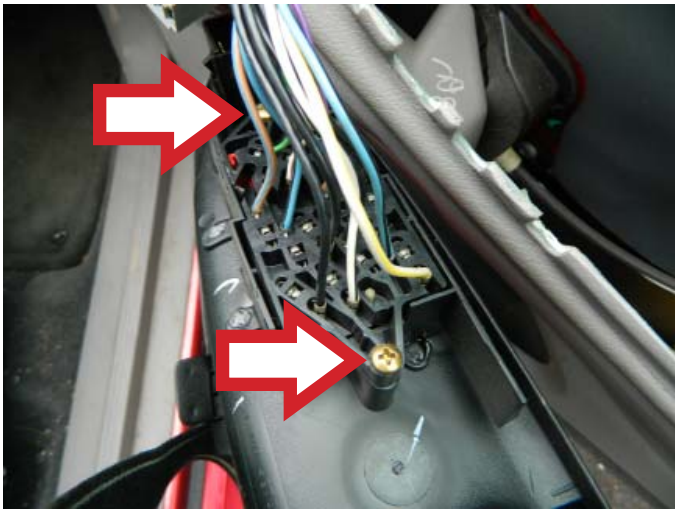
STEP 2: Using a trim panel removal tool, place the tool between the interior door trim panel and the power switch bezel assembly and gently pry to release the bezel assembly.

STEP 3: Using a Phillips head screw driver, remove the master power switch assembly.



STEP 3a: Disconnect the power mirror switch assembly. **NOTE:** Not all vehicles are equipped with this option.

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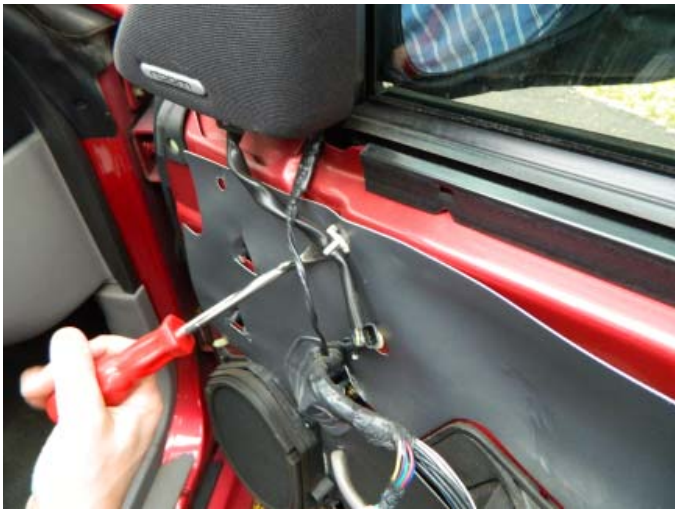
STEP 4: Using a Phillips head screw driver, remove the interior door trim retaining screw.

STEP 5: Using a trim panel removal tool, place the tool between the interior door trim panel and the door and gently pry the panel so that you can place your fingers between the interior door trim panel and the door. At this point, you should be able to lift the interior door trim panel in an upward motion while at the same time pulling toward you. There are NO interior door trim panel retaining clips. This is an interference interior door trim panel, meaning that there are keyed positions in the door to align the interior door trim panel.

STEP 6: Once the interior door trim panel has been removed, use your interior trim removal tool to disconnect the door wiring sub-harness.



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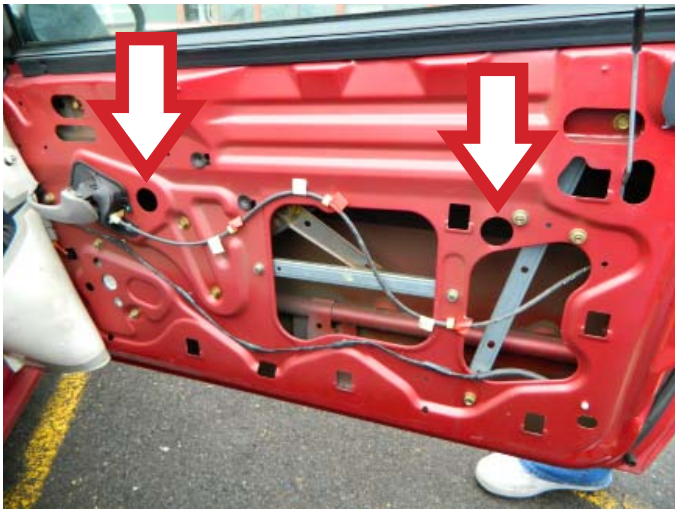
STEP 7: Once the door wiring sub-harness has been disconnected from the door, partially remove the water vapor barrier. **NOTE:** It is not necessary to completely remove the water vapor. You will be able to access the window lift motor connector without removing the entire water vapor barrier.

STEP 8: Using your power window switch, lower the window glass to expose the door glass mounting rivets.



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STEP 9: Once the window regulator has been lowered (exposing the window glass attaching rivets), attach your 1/8" drill bit to your drill to remove the center of the rivet. Once you have finished this step, go up to a 3/8" drill bit and repeat the process. Your goal is to remove the rivet head. It may be necessary to go up to a 1/2" drill bit to remove the rivet head. **CAUTION:** USE EXTREME CAUTION WHILE PERFORMING THIS STEP. FAILURE TO DO SO WILL RESULT IN GLASS BREAKAGE. YOUR MAIN OBJECTIVE IS ONLY TO REMOVE THE RIVET HEAD. DO NOT DRILL THOUGH THE RIVET, OR YOU WILL DAMAGE THE GLASS.

STEP 10: Once the rivets have been removed manually, slide the window glass into the closed position. Hold the glass in place with either a saddle cup assembly, painters tape, or a wedge. **NOTE:** If you are using a wedge, use care around the door glass weather stripping.

STEP 11: Disconnect the window lift motor connector.

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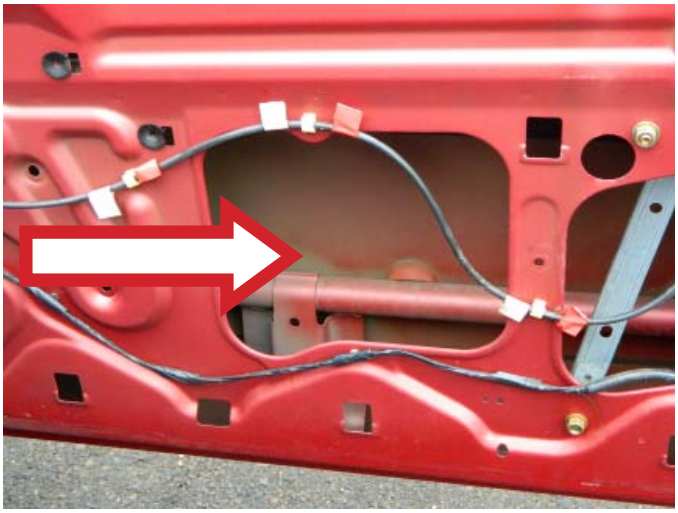
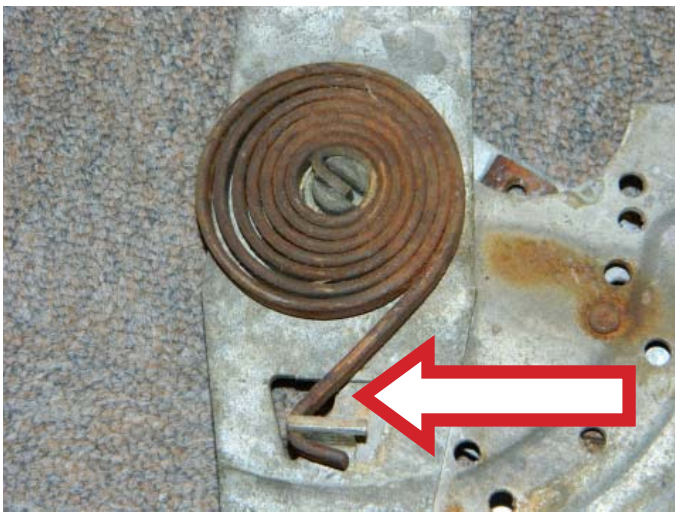
STEP 12: Remove the window regulator attaching hardware.

STEP 13: Remove the window regulator assembly through the main access hole.



STEP 14: To remove the window lift motor, you must first remove the window regulator pre-tensioner spring. Place the window regulator in a vise. Once the window regulator is in a vice, use a pair of slip joint pliers to pull the bottom leg of the pre-tensioner off of the pre-tensioner mounting post. **CAUTION:** THE PRE-TENSIONER SPRING IS UNDER EXTREME PRESSURE. FAILURE TO REMOVE THE PRE-TENSIONER SPRING PROPERLY COULD RESULT IN PHYSICAL INJURY.



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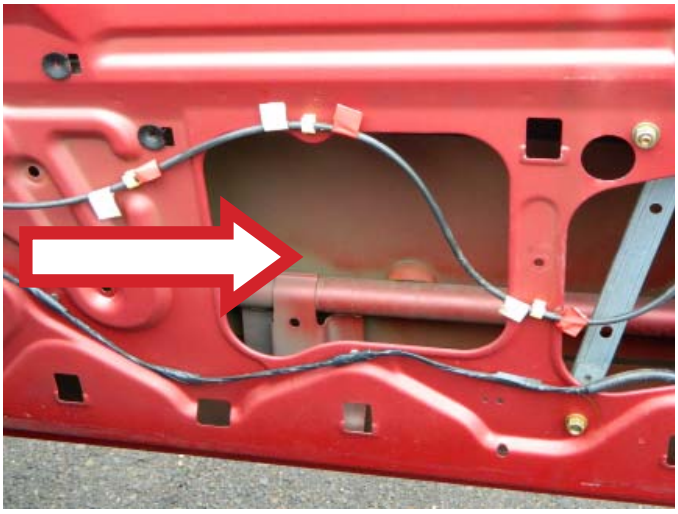
Installation Instructions

STEP 1: To install the window lift motor, you must first install the window regulator pre-tensioner spring. Place the window regulator in a vise. Once the window regulator is in a vice, use a pair of slip joint pliers to pull the bottom leg of the pre-tensioner onto the pre-tensioner mounting post. **CAUTION:** THE PRE-TENSIONER SPRING IS UNDER EXTREME PRESSURE. FAILURE TO REMOVE THE PRE-TENSIONER SPRING PROPERLY COULD RESULT IN PHYSICAL INJURY.

STEP 1a: Install the window regulator through the main access hole.



STEP 2: Attach the window regulator hardware. **NOTE:** Be sure to pull the window lift motor connector through the corresponding hole.

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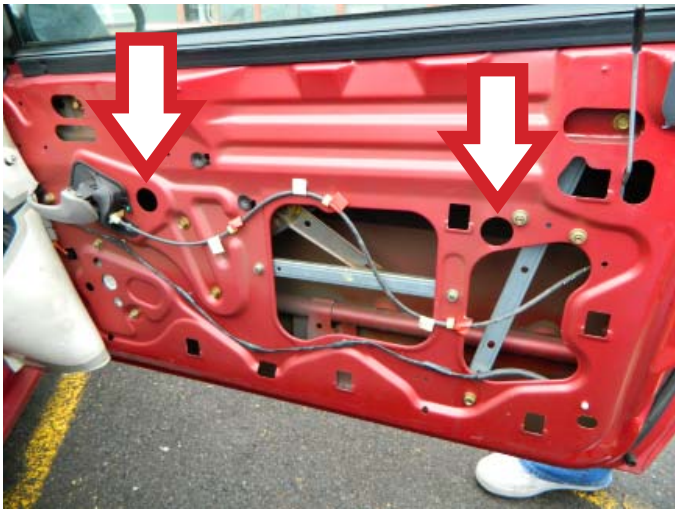
STEP 3: Connect the window lift motor connector.

STEP 4: Lower or raise the window regulator to expose the window glass attaching points.



STEP 5: Attach the window glass to the window regulator. Manually lower the glass into position. For ease of installation, Dorman offers a window regulator attaching hardware kit (the Dorman part number is 702-013). This hardware kit will include the necessary nuts, bolts, and washers to install the window glass onto the window regulator without the use of rivets or a rivet gun. If you choose to install with the use of rivets, you will need a heavy duty rivet gun as well as the 1/4 " rivets. **CAUTION:** IF YOU ARE INSTALLING THE GLASS ONTO THE REGULATOR USING RIVETS YOU MUST HAVE THE RIVET SITTING FLUSH ON THE REGULATOR. FAILURE TO DO SO WILL RESULT IN GLASS BREAKAGE.

STEP 6: Once the window glass is installed, operate the power window switch to verify that the window regulator is operating properly.

STEP 7: Install the water vapor barrier.

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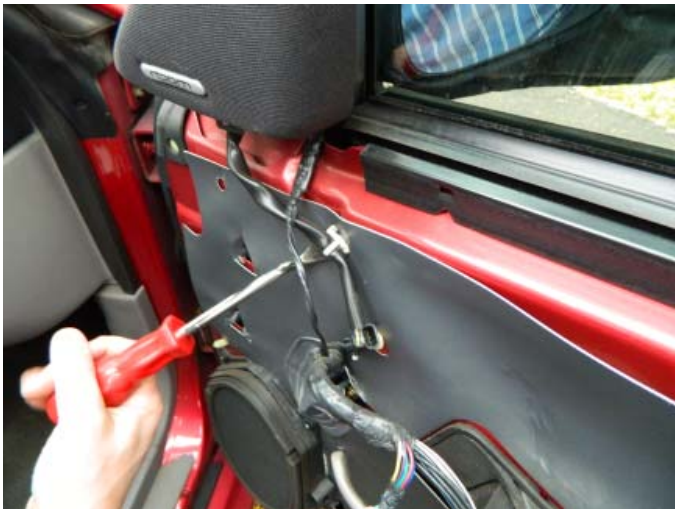
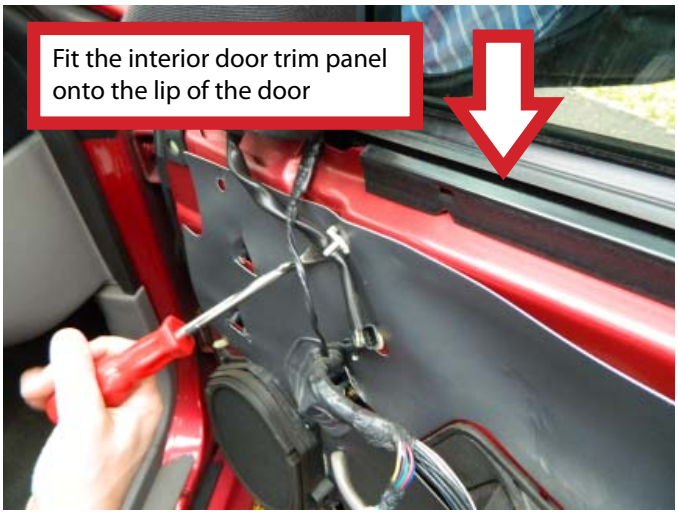
STEP 8: Install the door wiring sub-harness assembly.



STEP 9: Install the interior door trim panel. To install the panel, align the corresponding holes with the mating connector that is mounted on the interior door trim panel. Align the top of the interior door trim panel with the retainer that is mounted on the top part of the door and slide in a downward motion to push the door panel into place.



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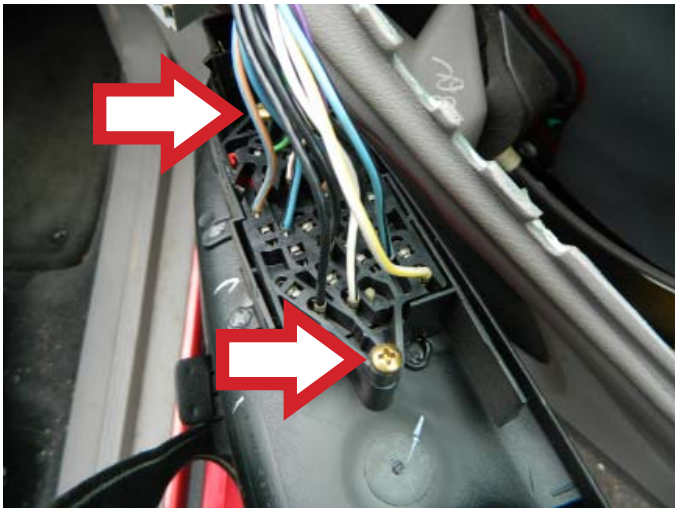
STEP 10: Attach the master power switch assembly as well as the power mirror switch.
NOTE: Not all vehicles were equipped with power mirrors.



STEP 11: Install the interior door trim panel retaining screw.

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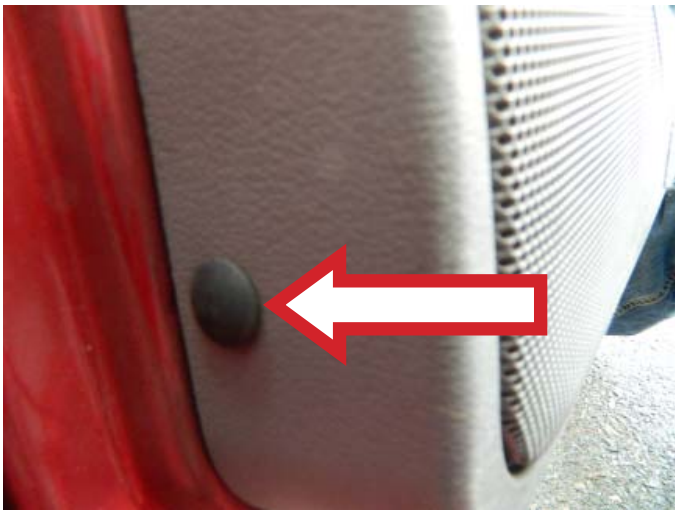
STEP 12: Install the master power switch assembly.

STEP 13: Install the interior door trim panel retaining pin.



STEP 14: Verify that the window regulator is operating properly and that all attaching hardware is secure.

We appreciate your opinions regarding this product!
Please call our Technical Assistant with any challenges or suggestions regarding the installation or operation of this product.

1-800-523-2492

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